

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) A method of maintaining a status of a product item, the product item including an associated interface surface, the interface surface having ~~disposed thereon or therein~~ coded data including a plurality of coded data portions ~~tags tiled thereacross~~, each coded tag encoding data portion ~~being indicative of~~ on an identity of the product item and having a structure which enables sensing and decoding of said data at any orientation of the interface surface, the method including, in a sensing device:

- (a) sensing at least one coded ~~data portion~~ tag;
- (b) generating, using the sensed coded ~~data portion~~ tag, indicating data indicative of the product item identity; and,
- (c) transferring the indicating data to a computer system, the computer system being responsive to the indicating data to update product status information stored in a data store, wherein the product status information indicates for at least one product item, the product item identity and the status of the product item.

2. (Cancelled)

3. (Currently Amended) The method of claim 1, wherein the method includes, in the sensing device:

- (a) sensing at least one coded ~~data portion~~ tag; and,
- (b) generating the indicating data using the sensed coded ~~data portion~~ tag.

4-8. (Cancelled)

9. (Original) The method of claim 1, wherein the method includes, in the sensing device:

- (a) selecting a status mode; and,
- (b) generating indicating data indicative of the selected status mode.

10. (Currently Amended) The method of claim 9, wherein the method includes, selecting the status mode by at least one of:

- (a) using an input provided on the sensing device; and,
- (b) sensing on the coded tags on the interface surface, ~~the interface surface including coded data disposed thereon or therein~~, the sensing device being responsive to the coded data tags to select the sensing mode.

11. (Original) The method of claim 9, the method including, in the computer system:

- (a) receiving the indicating data;
- (b) generating, using the received indicating data:
  - (i) identity data indicative of the identity of the product item; and,
  - (ii) mode data indicative of the status mode;
- (c) updating, using the identity data and the mode data, the status information.

12. (Original) The method of claim 1, the method including, in the computer system:

- (a) selecting a status mode;
- (b) receiving the indicating data;
- (c) generating, using the received indicating data, identity data indicative of the identity of the product item;
- (d) updating, using the identity data and the mode data, the status information.

13. (Original) The method of claim 12, wherein the method includes, selecting the status mode by at least one of:

- (a) using an input provided on the computer system; and,
- (b) in the computer system:

- (i) receiving mode indicating data from a sensing device, the sensing device being responsive to sensing of coded data provided on a respective mode interface surface to generate indicating data indicative of the status mode;
- (ii) generating, using the received indicating data, mode data indicative of the status mode; and,
- (iii) using the mode data to select the status mode.

14. (Cancelled)

15. (Cancelled)

16. (Original) The method of claim 1, wherein at least part of the product status information represents an inventory.

17. (Original) The method of claim 16, wherein the method includes, in the computer system:

- (a) determine, using the indicating data, identity data indicative of the product item identity; and,
- (b) updating the inventory using the identity data.

18. (Original) The method of claim 17, wherein the inventory includes at least an indication of a predetermined number of product items of respective product types, the method including, in the computer system:

- (a) determining , using the indicating data, the product item type;
- (b) determining the number of product items of the respective product item type;
- (c) comparing the number of product items to the predetermined number; and,
- (d) in response to the comparison, at least one of:
  - (i) providing an indication of the product item type on a shopping list;
  - (ii) updating the product status information; and,

(iii) taking no action.

19. (Original) The method of claim 1, wherein at least part of the product status information represents a shopping list.

20. (Original) The method of claim 19, wherein the method includes, in the computer system:

(a) determine, using the indicating data, identity data indicative of the product item identity; and,

(b) updating the shopping list using the identity data.

21-37. (Cancelled)

38. (Currently Amended) The method of claim 1, wherein each coded ~~data portion tag~~ is indicative of an EPC associated with the product item.

39. (Currently Amended) The method of claim 1, wherein the coded ~~data is~~ tags are provided on the interface surface coincident with visible markings representing at least one of:

(a) product information;

(b) the identity of the product item;

(c) product status information; and,

(d) a status request.

40. (Previously Presented) The method of claim 1, wherein the interface surface is at least a portion of at least one of:

(a) product item packaging;

(b) product item labelling;

- (c) product manuals;
- (d) product instructions; and,
- (e) a surface of the product item.

41. (Currently Amended) The method of claim 1, wherein the coded ~~data is~~ tags are disposed over at least one of:

- (a) substantially all of any one of:
  - (i) an entire product surface;
  - (ii) packaging; and,
  - (iii) a product label;
- (b) more than 25% of any one of:
  - (i) an entire product surface;
  - (ii) packaging; and,
  - (iii) a product label;
- (c) more than 50% of any one of:
  - (i) an entire product surface;
  - (ii) packaging; and,
  - (iii) a product label;
- (d) more than 75% of any one of:
  - (i) an entire product surface;
  - (ii) packaging; and,
  - (iii) a product label;

42. (Currently Amended) A sensing device for maintaining a status of a product item and adapted for use in the method of claim 1, the product item ~~including an~~ being associated with the interface surface, ~~the interface surface having disposed thereon or therein coded data including a plurality of coded data portions, each coded data portion being indicative of an identity of the product item,~~ the sensing device including:

- (a) a sensor for sensing at least one coded ~~data portion~~tag;
- (b) a processor for generating indicating data indicative of the product item identity;  
and,
- (c) a communication means for transferring the indicating data to a computer system,  
the computer system being responsive to the indicating data to update product status  
information stored in a data store.

43-46. (Cancelled)